

Fig. 1

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1 .....IHPISAESLHSHLQQLINDKPQ 22
                               :||:.|| : ||.|| .
451 PDLNIPHPRMLERTFVLEPLCELISPVHLHPVTAEPIVDHLKQLYDKQHD 500
23 ETV.....QESSDLLQFIPVSRLPVKDNILKFDQINHKSPPTLMIGIL 64
   |         |       .|:      |           ||| || |
501 EDTLWKLVLPLPYRSGVEPRFLKFKTATKLDEFTGETNRITVSPTYIMAIF 550
                                   .
65 NMTPDSFSDDGGKHFG...KELDNIVKQA.EKLVSEGATIIDIGGVSTRPG 110
   | |||||||.|| :||:| : |     . |||:|| ||||
551 NATPDSFSDDGGEHFADIESQLNDIIKCKDALYLHESVIIDVGGCSTRPN 600
                                   .
111 SVEPTEEEEELERVIPLIRAIQS..... 133
    |: .|||: | |||:|||:|
601 SIQASEEEEIRRSIPLIKAIRESTELPDQKVILSIDTYRSNVAKEAIVKG 650

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Fig. 2

251 NDLNEVLQDQCTKIAEKRLQLQDQIDQERQGNFNNVESHSNSPALLPPLKA 300 SEQ ID NO: 69
1KSIQL 5 SEQ ID NO: 70
301 GONGNLMRRDRSSVLILEKFWDTQLFKNVEGAQKFINSTKGRHILMN 350
| | :|||:|. | |. :| | |. :| | : | |.
6 GIPSN.KKKDRSSIMVLKKMWDSQLQSLFKHVDGASKFVQPLPNRHIVAE 54
351 SANWMELNTTTGKPLQMVQIFILNDLVLIADK...SRDKQNDFIVSQCYP 397
| | |. | | :| | | :| | | | | | . : |
55 SGRWFEVNVGNWKPSYPHTLFI FNDLILIAVKKSSSSSQEPTTGGSNGGS 104
398 LKDVTVTQEEFSTKRLLFKFSNSNSSLYECDRDADECSRLLDVI..RKAKD 445
| | |. | | . | . | . | . | : | : |
105 KSRLQAVQCWPLTQVSLQQIKSPKDDDKMYFINLKSLSYVYLTDRYD 154
446 DLCDIFHVEEENSKRIRESFRYLQSTQQTGRENNRSPNKNK..RRSMGG 493
: | | | | . | | | . : | | :
155 HFVKVTEAFNKGGRNEMIQSERLLDSRLSSPSNNGDSKEEKRQLRESLRN 204
494 SITPGRNVTGAMDQYLLQNLTLSMHSRPRSRDMSSTAQRLKFLDEGVVEEI 543
| | . |
205 SGNYKEGVTD DAGGAATG*VT..... 225

FIG. 3

301 ACCCATGCTGAAATGTTGSACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTT SEQ ID NO: 72
0 -----

361 TCGTAAAAATAGAGATACCAAACCAGTTCCCGGTGATTACACACAATTGAGAACATTTTT SEQ ID NO: 72
0 -----

421 CGATAAATTATTGATCGATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAA SEQ ID NO: 72
0 -----

481 TATTGAAGGAGAAGATTATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTT SEQ ID NO: 72
0 -----TTAAATATGTGTTGATAGTTACACATGC SEQ ID NO: 71
||||| |||||||

541 TATTCCTGAATTTGAAAAGAAATTCCTCGAAATTAATAATGTGTTGATAGTTACACATGC SEQ ID NO: 72

29 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT SEQ ID NO: 71
|||||

601 AGCAACGAAAATTGCTTTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTAT SEQ ID NO: 72

89 AGATGATAATCAAACGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA SEQ ID NO: 71
|||||

661 AGATGATAATCAAACGTGTTACGTGCTGGTGCATGTTCAATTATCCAAATTTGTTAGAGA SEQ ID NO: 72

149 TGGCGAAGATAAAACCAATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA SEQ ID NO: 71
|||||

721 TGGCGAAGATAAAACCAATGATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGA SEQ ID NO: 72

209 ATTCTTGACACAGGGTGAAGAAATGAAT----- SEQ ID NO: 71
|||||

781 ATTCTTGACACAGGGTGAAGAAATGAAC TGGGATTTCCGTCGTGGTGTGAAGCCGGGTC SEQ ID NO: 7

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FIG. 4

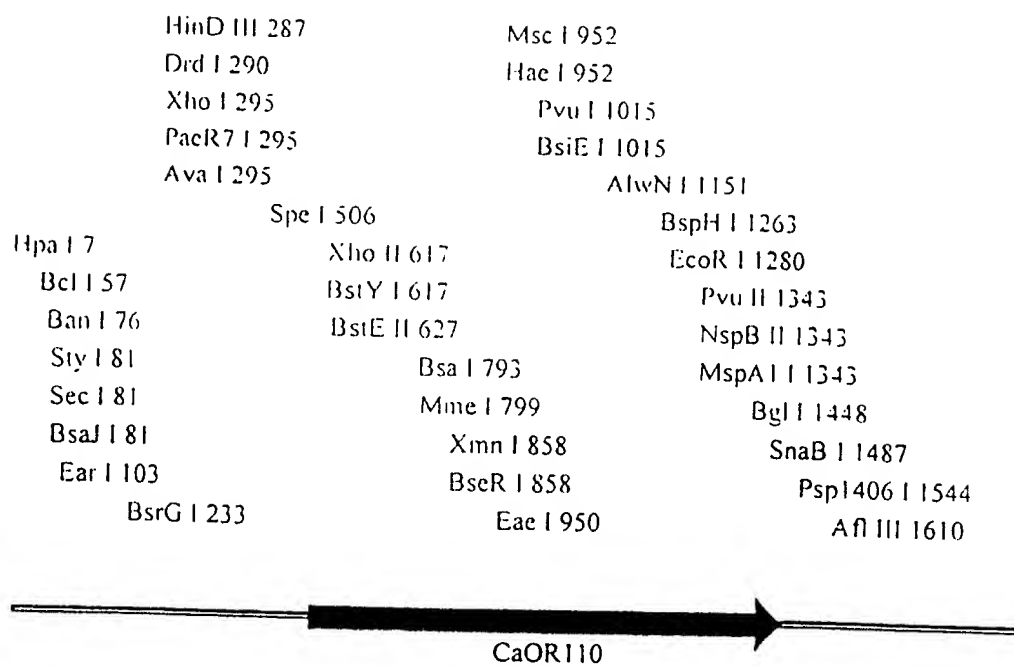


FIG. 5

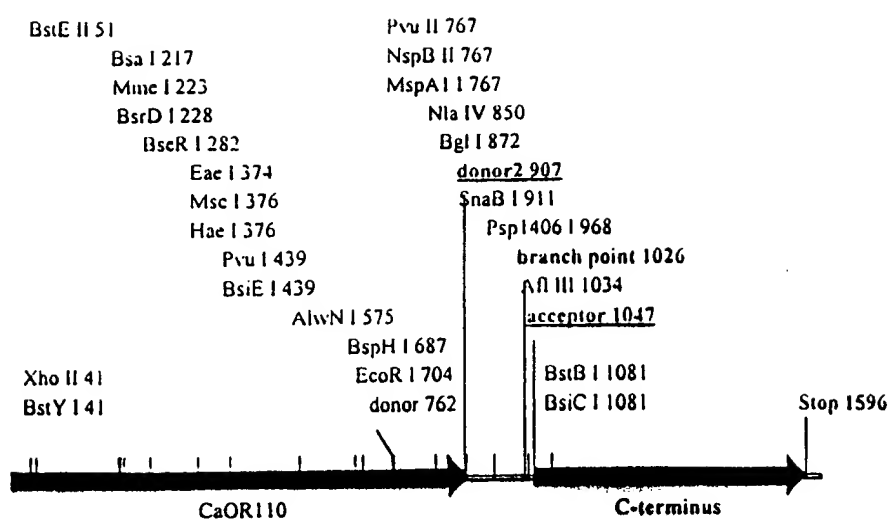


FIG. 6A

1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCA	60
1	ATGACGATTGAAACTATTTATATCGCAAGACACGGTTATAGATCCAATTGGTTACCA	60
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGTT	120
61	CCACACCCACCAAATCCTACTGGTATTGACAGTGACCCGGCTTTAGCACCACATGGTGTT	120
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
121	GAACAAGCCCAACAGTTAGCTGCCTATCTTACATCATTACCTACACATGAAAAGCCTGAA	180
181	TTTATTATTGCTTCACCTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
181	TTTATTATTGCTTCACCTTTTATCGTTGTATAGAAACGTCGAGACCCATTGCCGAAATG	240
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
241	TTGGACTTGAAGATTGCTTTAGAAAGAGGAGTTGGTGAATGGTTTCGTAAAAATAGAGAT	300
301	ACCAAACCAAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
301	ACCAAACCAAGTTCCCGGTGATTACACACAATTGAGAACATTTTTCGATAAATTATTGATC	360
361	GATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
361	GATGAAGATACTTGGCCAAGAGATAACTTAAATGTTATACCTAATATTGAAGGAGAAGAT	420
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCCTGAATTTGAA	480
421	TATGATGAAATCTACGATCGTGCCAAATTGTTTTGGAAAAAGTTTATTCCTGAATTTGAA	480
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
481	AAGAAATTCCCCGAAATTAAAAATGTGTTGATAGTTACACATGCAGCAACGAAAATTGCT	540
541	TTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
541	TTAGGATCAGCTTTATTACAGTTAAAATCAGTTACTGATGTTATAGATGATAATCAAAC	600
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
601	GTGTTACGTGCTGGTGCATGTTTCATTATCCAAATTTGTTAGAGATGGCGAAGATAAAACC	660
661	AATCATACTATTCAATGGAAAAATTGTCATGAATGGTAATTGTGAATTCTTGACACAGGGT	720

60 SECTION 13
60 SECTION 15

6B

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661	AATCATACTATTCAATGGAAAATTGTCATGAATGGTAATTGTGAATTCTTGACACAGGGT	720
	
721	GAAGAAATGAACTGGGATTTCCGTCGTGGTGTGAAGCCGGGTCAGCTGAAGATATAGCG	780
721	GAAGAAATGAACTGGGATTTCCGTCGTGGTGTGAAGCCGGGTCAGCTGAAGATATAGCG	780
	
781	CAAAGAAAGGCAGCAGCAGAAGCAGAAGCAAAAGCATTGAAGAAAA-TGAACAAACCAAA	840
781	CAAAGAAAGGCAGCAGCAGAAGCAGAAGCAAAAGCATTGAAGAAAAATGAACAAACCAAA	840
	
841	TCCGATGGTCCCATCACTGAATCTGCCACTGGGGCAGAAATAGATGGGAATGAAGATGAA	900
841	TCCGATGGTCCCATCACTGAATCTGCCACTGGGGCAGAAATAGATGGGAATGAAGATGAA	900
	
901	TTTGAAGTACGTAAAAC TTGAAAGAGATATTAAATAGACACAACTTAGAAAAATATAGAG	960
901	TTTGAA-----	906
	
961	ATACAAACGTTTTGAATTTCTTGATTCAC TTTTTGT TTTAAAAATAAAAAATAGTTCAAAA	1020
906	-----	905
	
1021	TGAAATACTAACACATGTGTTTTTAGACATTTTATGTAACCATCGATATACCTTCAATTT	1080
906	-----ACATTTTATGTAACCATCGATATACCTTCAATTT	939
	
1081	CGAATAAAATCGACAATGAAGAAGAACACCACCATCAAGGACAGGTCAAGCTCCAAAATTCA	1140
941	CGAATAAAATCGACAATGAAGAAGAACACCACCATCAAGGACAGGTCAAGCTCCAAAATTCA	1000
	
1141	AAAACAATATTATCAAGCCTTCAGCACAACTCCAATTTACTGATT TAAAAGAAGATCATC	1200
1001	AAAACAATATTATCAAGCCTTCAGCACAACTCCAATTTACTGATT TAAAAGAAGATCATC	1060
	
1201	CATTAGTAAAAATATCGAACAACTATATCTGCTCAAGGCTCGTCGTCGTCGTTAT	1260
1061	CATTAGTAAAAATATCGAACAACTATATCTGCTCAAGGCTCGTCGTCGTCGTTAT	1120
	
1261	CAGCGTCGAAAAATGGATTTAATAGTCATACTCACAATTCAGGAGTCATTGATCCATCAG	1320
1121	CAGCGTCGAAAAATGGATTTAATAGTCATACTCACAATTCAGGAGTCATTGATCCATCAG	1180
	
1321	CACTTATAGATGGGAAAATTTATCAGACTGATTGGAATCAATTACAAGGTACTGAACTAA	1380
1181	CACTTATAGATGGGAAAATTTATCAGACTGATTGGAATCAATTACAAGGTACTGAACTAA	1240
	
1381	TATTTGATGAAAATGGTCAATTTATAGGCAAGGTTAAGGAACATTTGACTTGCAATAATA	1440
1241	TATTTGATGAAAATGGTCAATTTATAGGCAAGGTTAAGGAACATTTGACTTGCAATAATA	1300

66

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1441 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACTTCGTTTCAGCAGATGATT 1500
|||||
1301 ACACAAAATTACATTAAAAAAGGCAGAAGAAGTAGAACAACTTCGTTTCAGCAGATGATT 1360
° ° ° ° ° °
1501 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAAGTCAGTTCTTAA 1560
|||||
1361 CTATCATGGATATAGATCAAGACTCACAAGGACAACAACCAGCTAGAAGTCAGTTCTTAA 1420
° ° ° ° ° °
1561 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAAATAAATGCTATTTTGTTATTATTATA 1620
|||||
1421 AAAGAGCAATTGTGGCTGCTAGAGCCAAAGGTAA----- 1454
° ° ° ° ° °

FIG. 7

